

Recombinant Full Length Human ITIH4 Protein, C-Flag-tagged

Cat. No. ITIH4-669HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITIH4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is secreted into the blood, where it is cleaved by plasma kallikrein into two smaller forms. Expression of this gene has been detected only in liver, and it seems to be upregulated during surgical trauma. This gene is part of a cluster of similar genes on chromosome 3. Two transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	100.3 kDa
AA Sequence	MKPPRPVRTCSKVLVLLSLLAIHQTTTAEKNGIDIYSLTVDSRVSSRFAHTVVTSRVV NRANTVQEATFQ MELPKKAFITNFSMNIDGMTYPGIIKEKAEQAQYSAAVAKGKSA GLVKATGRNMEQFQVSVSVAPNAKI TFELVYEELLKRRLGVYELLKVRPQQLVKHL QMDIHIFEPQGISFLETSTFMTNQLVDALTTWQNKTK AHIRFKPTLSQQQKSPEQQ ETVLDGNLIIRYDVDRAISGGSIQIENGYFVHYFAPEGLTTMPKNVVFVID KSGSMMSG RKIQQTREALIKILDDLSPRDQFNLFVSTFATQWRPSLVPASAENVNKARSFAAGIQ ALGGT NINDAMLMVQLLDSSNQEERLPEGSVSLIILLTDGDPTVGETNPRSIQNNV REAVSGRYSFLCLGFGFD VSYAFLEKLALDNGGLARRIHEDSDSALQLQDFYQEVA

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NPLLTAVTFEYPSNAVEEVTQNNFRLLFKGSE MIVAGKLQDRGPDVLTATVSGKLP
 TQNITFQTESSVAEQEAEFQSPKYIFHNFMERLWAYLTIQQLLEQT VSASDADQQAL
 RNQALNLSLAYSFVTPLTSMVVTKPDDQEQSQVAEKPMEGESRNRNVHSGSTFFK
 YYLQ GAKIPKPEASFSRRGWNRQAGAAGSRMNFRPGVLSSRQLGLPGPPDVPD
 HAAHYHPFRRLLAILPASATPA TSNPDPAVSRVMNMKIEETTMTTQTPAPIQAPSAILPL
 PGQSVERLCVDPRHRQGPVNLLSDPEQGVET GQYEREKAGFSWIEVTFKNPLVW
 VHASPEHVVVTRNRRSSAYKWKETLFSVMPGLKMTMDKTGLLLSDP DKVTIGLLF
 WDGRGEGRLRLRLDTRFSSHVGGTLGQFYQEVWLGSPAASDDGRRTLRLVQGN
 HSATRER
 RLDYQEGPPGVEISCWSVELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

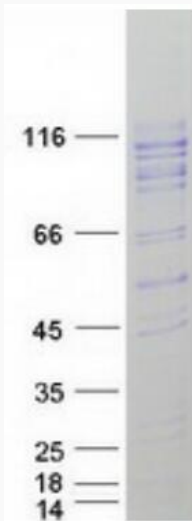
GENE INFORMATION

Gene Name	ITIH4 inter-alpha-trypsin inhibitor heavy chain 4 [Homo sapiens (human)]
Official Symbol	ITIH4

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Synonyms	H4P; IHRP; GP120; PK120; ITIHL1; PK-120; ITI-HC4
Gene ID	3700
mRNA Refseq	NM_002218.5
Protein Refseq	NP_002209.2
MIM	600564
UniProt ID	Q14624
 Coomassie blue staining of purified ITIH4 protein.	